

**RCEOM - QCFI CENTER OF HUMAN EXCELLENCE ORGANIZED ONE DAY TRAINING PROGRAMME ON
“AWARENESS ON INDUSTRY 4.0: CHALLENGES AND OPPORTUNITIES” FOR INDUSTRY**

RCEOM - QCFI Center of Human Excellence successfully conducted One Day training Program on **“Awareness on Industry 4.0: Challenges and Opportunities”** on **18th March 20, 2023** at Shri Ramdeobaba College of Engineering & Management, Nagpur -TATA-CIIT for Industry Professionals. The main objective of training programme was to introduce Industry 4.0, know the challenges & identify the opportunities on Industry 4.0

Dr. Rajiv Khaire –Dean III Cell RCOEM, welcomed Mr. A. K. Jain – Chairman QCFI-Nagpur Chapter and Mr. Vivek Joshi Jt. Secretary, QCFI-Nagpur Chapter. Mr. Jain interacted with participants & told them about the Objective of Training Program. Dr. Y.M. Sonkhaskar -Professor In charge CIIT, briefed the participants about the facilities and types of technical trainings available at CIIT to all participants.

Industrial Personnel from Elkem South Asia Pvt Ltd., CEAT Tyres Ltd., Solar Industries India Ltd. and JSW Steel Coated Product Ltd., Nagpur, participated in this training. Training started with theory & hands on on Solid Modeling using Delmia V5 by Prof. Bhushan Bissa and Mr. Shrikant Wankhede. Participants made 3-D models of some objects along with Slicing. This session was followed by Dr. Vishal Shukla who explained the steps used in 3-D printing & Reverse Engineering of the objects. Participants were first demonstrated the operation of a 3-D Printer and 3-D scanner. Hands-on experience with practical was given to them on the above domains. Working of MES -Manufacturing Execution System, VMC – Vertical Machining Centre, Arc –Welding Yaskawa Robot was explained by Dr. Y. M. Sonkhaskar.

In the Second half, participants were trained on IoT. Training and demonstration on Industrial revolutions, Foundation of Industry 4.0 and Hands-on-session on (PLC) Programmable Logic Controllers and Human Machine Interface was carried out with Arduino Nano and Raspberry Pi 4 to cater to the automation applications. The session was conducted by Dr. S. S. Balpande at the Mechatronics lab of the college.

One Day Training Program ended with a Feedback Session and Certificate Distribution in the Innovation Design Incubation of CIIT.



